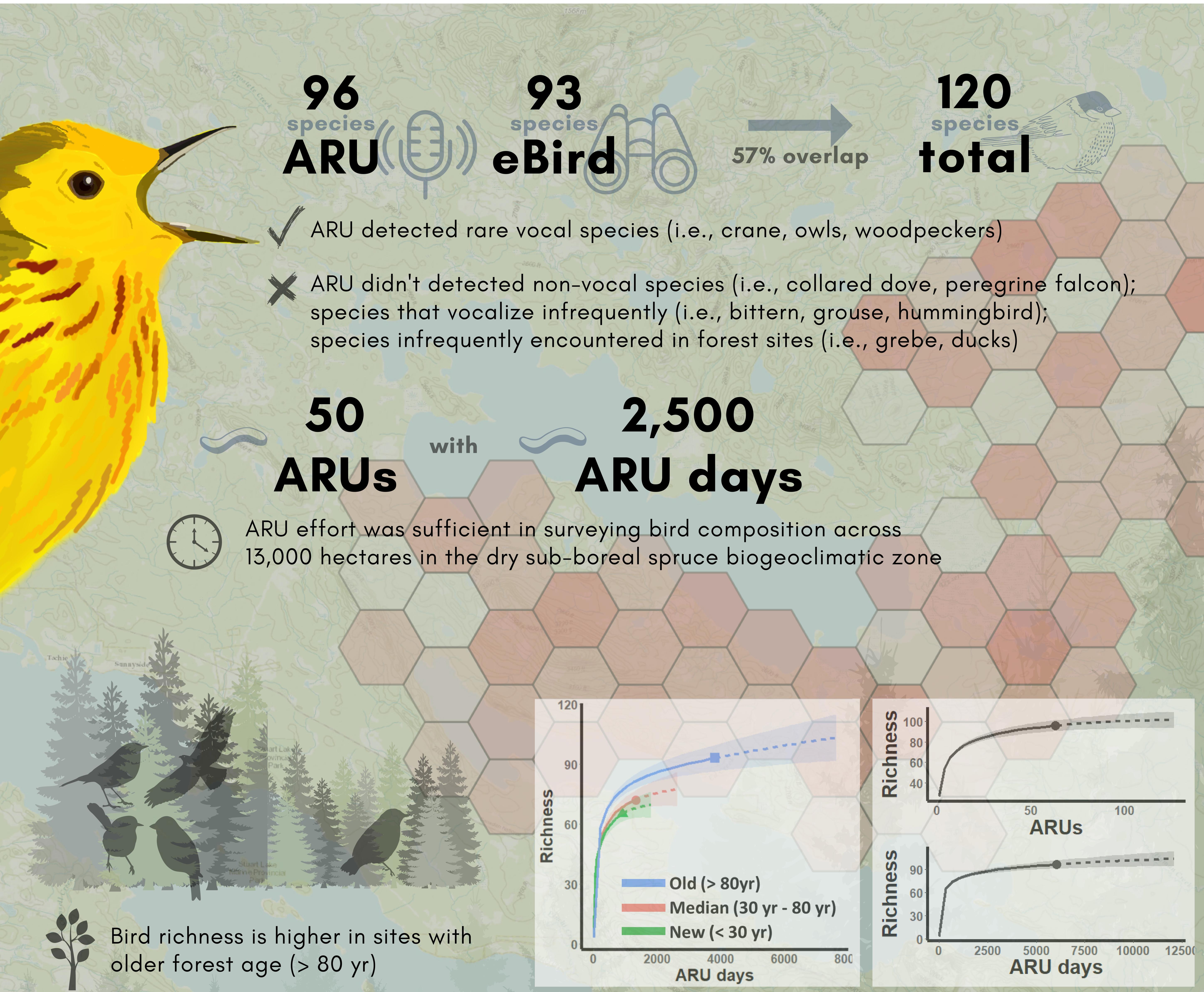
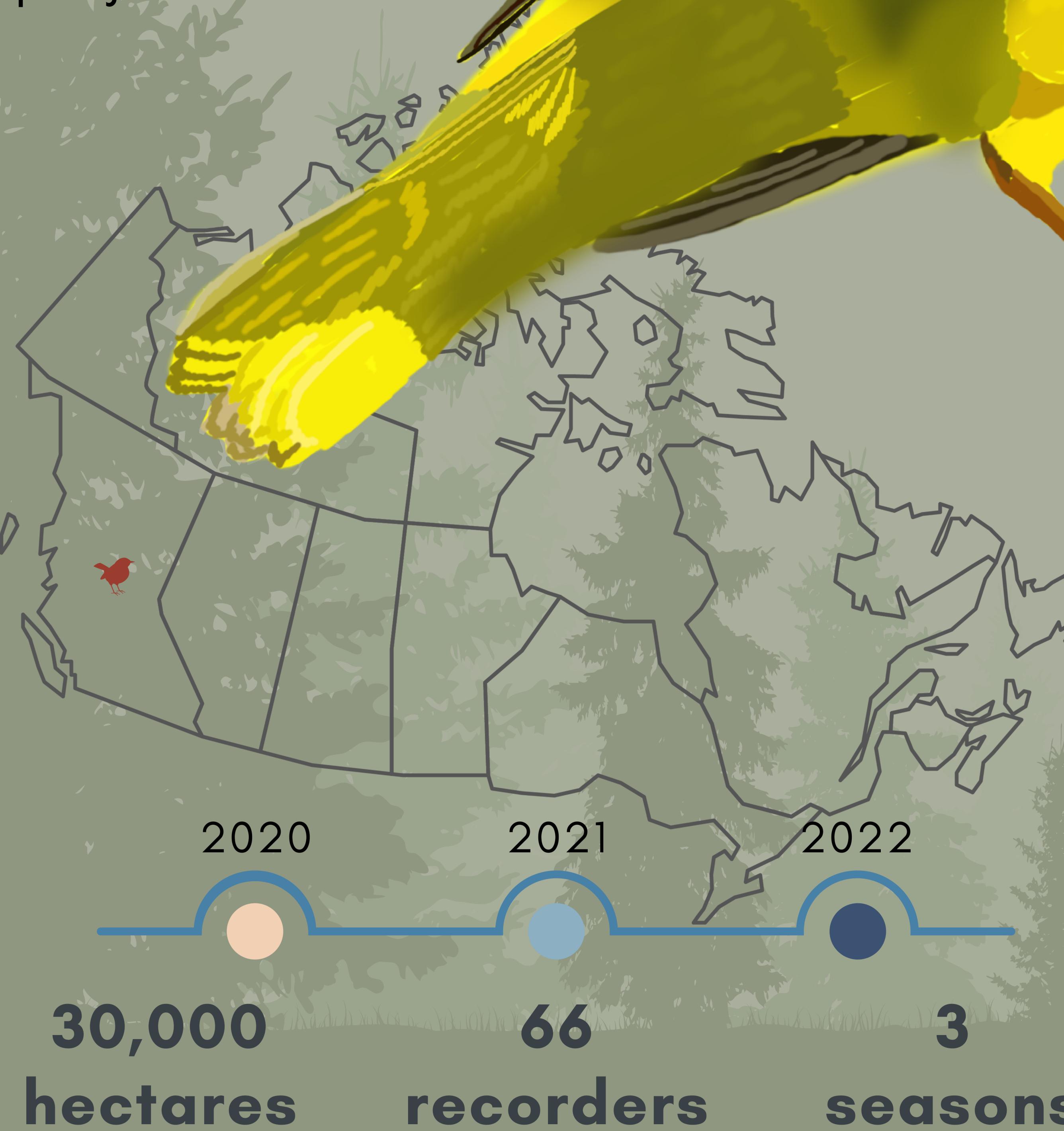


Large scale biodiversity assessment with bird sound

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Advances in autonomous recording units (ARUs) and species identification algorithms (BirdNET) have enabled large scale acoustic monitoring of bird biodiversity.

We conducted a comprehensive project to compare the species detected by ARUs versus human observers (eBird). Furthermore, we investigated the monitoring effort required for ARU projects.



ARUs, combined with BirdNET, are a time-, cost-, and labor-efficient method to survey bird communities across a large spatiotemporal scale. Subsequent analysis will investigate important features for maintaining bird biodiversity.